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# California Regional Water Quality Control Board

## Central Valley Region

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22 August 2005

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### ***ANNUAL MONITORING REPORT – SOUTHERN SAN JOAQUIN VALLEY WATER QUALITY COALITION- TULE RIVER SUB-WATERSHED***

On 1 April 2005, we received the Annual Monitoring Report (AMR) for the Southern San Joaquin Valley Water Quality Coalition's (SSJVWQC) Tule River Sub-watershed. This report was submitted by the SSJVWQC to meet the conditions of Resolution No. R5-2003-0105, and the associated Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands (Conditional Waiver).

Water Board staff has reviewed the AMR to evaluate if the document accurately reflects the required reporting conditions detailed in the Conditional Waiver, the conditions set forth in the Tule River Sub-watershed's Monitoring and Reporting Program Plan (MRP Plan), the Quality Assurance Project Plan (QAPP), and to assess the quality of the data generated and the conclusions and recommendations presented. Water Board staff finds that additional data/clarification is necessary to complete the AMR review.

**By 21 October 2005**, the Coalition needs to address the requested information listed in 1 – 7 below.

1. Provide a detailed map of the entire Sub-watershed that includes the established Sub-watershed boundary (Item 1 of attached staff review).
2. Provide copies of the chain of custody documentation for samples sent from Twining Laboratories to the subcontract laboratories (Item 2).
3. Provide documentation that there was no flow in Deer Creek or White River during the irrigation or storm season covered by this report (Item 4).
4. Provide a detailed land use map for the Sub-watershed (Item 5).
5. Provide additional information on pesticide use for inclusion in the AMR (Item 6).
6. Provide Aquatic Bioassay & Consulting Laboratories raw data sheets for all sampling events and the laboratories rational for acceptance of fathead minnow bioassay results for the 17 January 2005 test (Item 8).
7. Provide clarification or rational for not accepting the sediment toxicity results for the 10 August 2004 sampling event (Item 9).

The AMR review identified additional areas of concern that, although not required to make the AMR complete, are necessary for the Conditional Waiver program. **By 21 October 2005**, you need to address the requested information listed in 8 -11 on the following page.

8. Submit a revised sampling program that includes additional monitoring points including Elk Bayou and a combination of secondary water bodies and return canals; to address the sampling of 20% of additional waterways per year as required by the Conditional Waiver program (Items 11 and 12).
9. Submit a storm-water sampling program that includes a sampling trigger, and provisions to document the results of said program (Item 4).
10. Provide assurance that Communication Reports and follow-up sampling will be preformed whenever statistically significant toxicity is detected, or Basin Plan water quality objectives are exceeded, as required by the Conditional Waiver program (Items 3 and 7).
11. Provide a list of Sub-watershed members so that we can evaluate the extent of coverage within the Sub-watershed in response to detected water-quality impacts. The revised Attachment B of Resolution No. 2003-0105 states, "The Coalition Group shall, by July 22, 2004, maintain a Membership Document with information concerning each Participant who has knowingly elected to be a member of the Coalition Group. The Membership Document shall include, at a minimum, a list of the Participants, information on contacting each Participant, and information sufficient to locate the fields or parcels of each Participant that are within the Coalition Group. The Regional Board may further specify the information to be included. This information shall be provided to the Regional Board upon request, within the time specified by the Regional Board, which time shall not exceed thirty days."

Items that need to be incorporated into the current monitoring program and/or generated for the next AMR submittal include:

- A) Complete chain of custody documentation (Item 2 of attached staff review);
- B) Prompt submittal of Communication Reports whenever water quality exceedance occurs (Items 3 and 7);
- C) Perform the required TIE analysis, re-sampling, sampling upstream, and preparation of a Communication Report when toxicity exceeds 50% mortality (Item 10);
- D) Collect and analyze toxicity QA/QC samples on the required 5% frequency (Item 13);
- E) Continued work on management practices issues (Item 14).

If you have any questions or comments regarding the review, or need any further information, please contact Alan Cregan at (559) 445-6185.



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cc: Mr. Tom Pinkos, Regional Water Quality Control Board, Rancho Cordova  
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